

**METHOD AND SYSTEM FOR FAIL-SAFE RENAMING OF LOGICAL
CIRCUIT IDENTIFIERS FOR REROUTED LOGICAL CIRCUITS IN A DATA
NETWORK**

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Abstract

A method and system are provided for fail-safe renaming of logical circuit identifiers for rerouted logical circuits in a data network. A network management module is provided for accessing a network device provisioned for routing data over a first logical circuit in the data network. The network management module is further utilized
10 for deleting the first logical circuit in the network device upon detecting a failure in the first logical circuit and provisioning a second logical circuit in the network device for rerouting the data from the first logical circuit. In provisioning the second logical circuit, the network management module is utilized to assign a second logical circuit identifier to identify the second logical circuit. The network management module is further utilized
15 for renaming a first logical circuit identifier to the second logical circuit identifier and renaming a logical circuit label for the first logical circuit in a logical element module in communication with the network management module. The renamed logical circuit label includes the first logical circuit identifier and may be utilized to indicate that the logical circuit data from the failed logical circuit has been rerouted.

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